

20427 U.S. PTO  
040804

**NEW UTILITY PATENT APPLICATION TRANSMITTAL**

Only for new nonprovisional applications under 37 CFR 1.53(b)

**DOCKET NO:**

NOVE100041000

Total Pages in this Submission:

32

**TO THE COMMISSIONER FOR PATENTS**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

22581 U.S. PTO  
10/821092  
040804

Transmitted herewith for filing under 35 USC 111(a) and 37 CFR 1.53(b) is a new utility patent application for an invention entitled:

METHOD AND APPARATUS FOR MODULATION OF PRECURSOR EXPOSURE  
DURING A PULSED DEPOSITION PROCESS

and invented by:

Francisco Juarez et al.

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

- ☐ Continuation  
☐ Divisional  
☐ Continuation-in Part (CIP)

of prior application serial no: \_\_\_\_\_ Filed: \_\_\_\_\_

**Enclosed are:**

**APPLICATION ELEMENTS**

1. ☒ Filing fee as calculated and transmitted as described below.
2. ☒ Specification having 11 total pages, including 5 pages of claims and 1 pages Abstract
3. ☒ Drawing(s) including 4 sheets (when necessary as prescribed by 37 USC 113)
  - a. ☐ Formal
  - b. ☒ Informal
4. ☒ Oath or Declaration.
  - a. ☒ Newly executed (original or copy) ☐ Unexecuted.
  - b. ☐ [Note Box 5 Below] Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional applications only)

☐ **DELETION OF INVENTORS**

Signed statement in Box 22 below, forming part of this transmittal, deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33 (b).

- c. ☒ With Power of Attorney ☐ Without Power of Attorney

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**APPLICATION ELEMENTS (Continued)**

5. ☐ Incorporation By Reference (*This box shall be considered checked whenever Box 4b is checked*)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Computer Program in Microfiche. (*Appendix*)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission. (*if applicable, all must be included*)
- a. ☐ Paper Copy.
- b. ☐ Computer Readable Copy. (*Identical to computer copy*)
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy.

**Accompanying Application Parts**

8. ☒ Assignment Papers.
- ☐ The prior application is assigned of record to \_\_\_\_\_.
- ☒ An assignment of the invention to Novellus Systems, Inc. is attached. (cover sheet & documents(s))
9. ☐ 37 CFR 3.73(b) Statement. (*when there is an assignee*)
10. ☐ English Translation Document. (*if applicable*)
11. ☐ Information disclosure Statement/PTO-1449. ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment.
13. ☒ Acknowledgment postcard.
14. ☐ Small Entity Statement ☐ Statement filed in prior application, Status still proper and desired
15. ☐ Certified Copy of Priority Document(s). (*if foreign priority is claimed*)
16. ☒ Certificate of Mailing:
- ☐ First Class ☒ Express Mail (Specify Label No) EV332851033US

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17. ☒ Form EFS for Filing
18. ☒ Non Publication Request Under 35 U.S.C. §122(b)(2)(B)(i)
19. ☐ Additional Enclosures. (*please identify below*):

**Priority**

20. ☐ Priority - 35 USC 119
- ☐ Priority of application serial no. \_\_\_\_\_ filed on \_\_\_\_\_ in \_\_\_\_\_ is claimed under 35 USC 119.
- ☐ The certified copy has been filed in prior U.S. application Serial No. \_\_\_\_\_ on \_\_\_\_\_.
- ☐ The certified copy will follow.
21. ☐ Priority - 35 USC 120
- ☐ Amend the specification by inserting before the first line the following sentence:
- "This is a
- ☐ continuation
- ☐ divisional
- of copending application(s)
- ☐ Serial Number \_\_\_\_\_ filed on \_\_\_\_\_."
- ☐ International Application No. \_\_\_\_\_ and which designated the U.S."

**Inventorship Statement**

22. ☐ Inventorship
- With respect to the prior copending U.S. application from which this application claims benefit under 35 USC 120, the inventor(s) in this application is (are)
- ☐ the same.
- ☐ less than those named in the prior application and it is requested that the following inventor(s) identified above for the prior application be deleted:
- \_\_\_\_\_

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**Fee Calculation and Transmittal  
CLAIMS AS FILED**

FOR	NO. FILED	NO. ALLOWED	NO. EXTRA	RATE	FEE
Total Claims	19	— 20 =	0	x \$18.00	\$
Indep. Claims	4	— 03 =	1	x \$86.00	\$ 86.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$
Other Fees (specify purpose)					\$
BASIC FILING FEE					\$ 770.00
FILING FEE CALCULATION					\$ 856.00
SMALL ENTITY x 50% (when Box 14 is checked)					\$

- ☒ A check in the amount of \$ 856.00 to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 04-0566 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of \$ \_\_\_\_\_ as filing fee.
- ☒ Charge or credit any under or overpayment.
- ☒ Charge any additional filing fees required under 37 CFR 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 CFR 1.18 at the mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).

Dated: 1/8/04Peter W. Peterson  
Reg. No. 31,867**DELIO & PETERSON, LLC**121 Whitney Avenue  
New Haven, CT 06510  
(203) 787-0595**Certification Under 37 CFR 1.10**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450.

Name: Barbara Browne  
nove100041000feesheetDate April 8, 2004Signature: Barbara Browne

DOCKET: NOVE100041000

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

INVENTOR: Francisco Juarez et al.

TITLE: METHOD AND APPARATUS FOR  
MODULATION OF PRECURSOR  
EXPOSURE DURING A PULSED  
DEPOSITION PROCESS

DATE: April 8, 2004

**NONPUBLICATION REQUEST UNDER 35 U.S.C. § 122(b)(2)(B)(i)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:


I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. § 122(b).

Respectfully submitted,

Dated: \_\_\_\_\_

4/8/04



Peter W. Peterson  
Reg. No. 31,867

DeLIO & PETERSON, LLC  
121 Whitney Avenue  
New Haven, CT 06510-1241  
(203) 787-0595

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date indicated below as first class mail in an envelope addressed to the Commissioner for Patents, Alexandria, VA 22313-1450.

Name: Barbara Browne  
nove10041000nonpubreq

Date: April 8, 2004

Signature: \_\_\_\_\_

